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Jul 2, 2003

DERWENT-ACC-NO: 2002-489748

DERWENT-WEEK: 200344

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TITLE: Sprayable allergen neutralizing composition useful on inanimate objects
comprising allergy neutralizing metal ion and solvent

INVENTOR: HASAN, A K M Q; KOBAYASHI, R ; MAO, M H

PATENT-ASSIGNEE:

ASSIGNEE

CODE

PROCTER & GAMBLE CO

PROC

PRIORITY-DATA: 2000WO-US27019 (September 29, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
EP 1322167 A1	July 2, 2003	E	000	A01N059/16
WO 200228187 A1	April 11, 2002	E	037	A01N059/16
AU 200077429 A	April 15, 2002		000	A01N059/16

DESIGNATED-STATES: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT
RO SE SI AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES
FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG
MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU
ZA ZW AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD
SE SL SZ TZ UG ZW

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
EP 1322167A1	September 29, 2000	2000EP-0967196	
EP 1322167A1	September 29, 2000	2000WO-US27019	
EP 1322167A1		WO 200228187	Based on
WO 200228187A1	September 29, 2000	2000WO-US27019	
AU 200077429A	September 29, 2000	2000AU-0077429	
AU 200077429A	September 29, 2000	2000WO-US27019	
AU 200077429A		WO 200228187	Based on

INT-CL (IPC): A01 N 25/02; A01 N 25:02; A01 N 59/16; A01 N 59:16; A01 N 59/16; A01 N 25:02

RELATED-ACC-NO: 2002-444948;2002-454488 ;2002-667756

ABSTRACTED-PUB-NO: WO 200228187A

BASIC-ABSTRACT:

NOVELTY - A sprayable allergen neutralization composition (I) comprises:

- (a) an allergy neutralizing metal ion; and
- (b) a solvent.

ACTIVITY - Antiallergic; Acaricide.

MECHANISM OF ACTION - None given in the source material.

USE - For use on inanimate objects (claimed), against the allergen associated with house dust mites and other common allergens such as cat dander and pollens and for spraying onto cat litter, pet bedding and pet houses.

ADVANTAGE - (I) Is sprayable and neutralizes at least 50 (preferably at least 60, especially at least 80, particularly at least 90)% of allergen containing proteins as measured by the ELISA test protocol. (I) Is also free of cyclodextrin based complexing agents and yields Delta E value of less than 1 as measured by Fabric Color Evaluation method. (I) Shows improved denaturing efficacy as compared to currently existing spray products, and superior performance in reducing consumers allergy symptoms. (I) Not only kills house dust mites but neutralizes the allergen proteins and it is compatible with a wide variety of fabric materials and does not stain common household surfaces.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: SPRAY ALLERGEN NEUTRALISE COMPOSITION USEFUL INANIMATE OBJECT COMPRISE ALLERGIC NEUTRALISE METAL ION SOLVENT

DERWENT-CLASS: C03 D22

CPI-CODES: C03-F; C05-A01B; C05-A02; C05-A03; C05-C08; C10-A07; C10-C02; C10-C03; C10-C04D; C14-B04A; C14-G02A; C14-X; D09-A01A;

CHEMICAL-CODES:

Chemical Indexing M2 *01*

Fragmentation Code

A430 C730 M411 M431 M781 M782 M904 M905 P431 R011

R023

Specific Compounds

06421K 06421T 06421M 06421U 11552K 11552T 11552M 11552U

Chemical Indexing M2 *02*

Fragmentation Code

A350 A940 A960 C710 C730 M411 M417 M431 M781 M782

M904 M905 P431 R011 R023

Specific Compounds

13746K 13746T 13746M 13746U 23248K 23248T 23248M 23248U

Chemical Indexing M2 *03*

Fragmentation Code

A350 A940 A960 C710 C730 M411 M417 M431 M781 M782

M904 M905 P431 R011 R023

Specific Compounds

13747K 13747T 13747M 13747U 23247K 23247T 23247M 23247U

Chemical Indexing M2 *04*

Fragmentation Code

A212 A940 A960 A970 C710 C730 M411 M417 M431 M781

M782 M904 M905 P431 R011 R023

Specific Compounds

06645K 06645T 06645M 06645U

Chemical Indexing M2 *05*

Fragmentation Code

A220 C730 M411 M431 M781 M782 M904 M905 P431 R011
R023

Specific Compounds

A0140K A0140T A0140M A0140U

Chemical Indexing M2 *06*

Fragmentation Code

A425 A940 A960 C710 C730 M411 M417 M431 M781 M782
M904 M905 P431 R011 R023

Specific Compounds

06751K 06751T 06751M 06751U

Chemical Indexing M2 *07*

Fragmentation Code

A425 A940 A950 A960 A970 C710 C730 M411 M417 M431
M781 M782 M904 M905 P431 R011 R023

Specific Compounds

A0HW8K A0HW8T A0HW8M A0HW8U

Chemical Indexing M2 *08*

Fragmentation Code

A422 A940 A960 C710 C730 M411 M417 M431 M781 M782
M904 M905 P431 R011 R023

Specific Compounds

19161K 19161T 19161M 19161U

Chemical Indexing M2 *09*

Fragmentation Code

A426 A940 A960 C710 C730 M411 M417 M431 M781 M782
M904 M905 P431 R011 R023

Specific Compounds

07107K 07107T 07107M 07107U

Chemical Indexing M2 *10*

Fragmentation Code

A426 A940 A960 C710 C730 M411 M417 M431 M781 M782
M904 M905 P431 R011 R023

Specific Compounds

06031K 06031T 06031M 06031U

Chemical Indexing M2 *11*

Fragmentation Code

A429 A940 A960 C710 C730 M411 M417 M431 M781 M782
M904 M905 P431 R011 R023

Specific Compounds

06206K 06206T 06206M 06206U

Chemical Indexing M2 *12*

Fragmentation Code

A428 A940 A960 A970 C710 C730 M411 M417 M431 M781
M782 M904 M905 P431 R011 R023

Specific Compounds

11235K 11235T 11235M 11235U

Chemical Indexing M2 *13*

Fragmentation Code

A430 A940 C017 C100 C730 C801 C803 C804 C805 C806
C807 M411 M431 M781 M782 M904 M905 P431 R011 R023

Specific Compounds

01703K 01703T 01703M 01703U

Chemical Indexing M2 *14*

Fragmentation Code

A430 A940 C108 C316 C540 C730 C801 C802 C803 C804
C805 M411 M431 M781 M782 M904 M905 M910 P431 R011
R023
Specific Compounds
01741K 01741T 01741M 01741U
Registry Numbers
1741U

Chemical Indexing M2 *15*

Fragmentation Code
A350 A940 C017 C100 C730 C801 C803 C804 C805 C806
C807 M411 M431 M781 M782 M904 M905 M910 P431 R011
R023
Specific Compounds
03040K 03040T 03040M 03040U
Registry Numbers
1701U

Chemical Indexing M2 *16*

Fragmentation Code
A350 A940 C108 C316 C540 C730 C801 C802 C803 C804
C805 M411 M431 M781 M782 M904 M905 P431 R011 R023
Specific Compounds
09195K 09195T 09195M 09195U

-- -- Chemical Indexing M2 *17* --

Fragmentation Code
A426 A940 C017 C100 C730 C801 C803 C804 C805 C806
C807 M411 M431 M781 M782 M904 M905 M910 P431 R011
R023
Specific Compounds
01939K 01939T 01939M 01939U
Registry Numbers
1939U

Chemical Indexing M2 *18*

Fragmentation Code
A426 A940 C108 C316 C540 C730 C801 C802 C803 C804
C805 M411 M431 M781 M782 M904 M905 M910 P431 R011
R023
Specific Compounds
01729K 01729T 01729M 01729U
Registry Numbers
1729U

Chemical Indexing M2 *19*

Fragmentation Code
C101 C408 C550 C730 C800 C801 C802 C804 C805 C807
M411 M431 M782 M904 M905 M910 P431 R011 R023
Specific Compounds
01732K 01732T 01732M
Registry Numbers
1732U

Chemical Indexing M2 *20*

Fragmentation Code
G011 G100 H4 H401 H441 H8 J0 J011 J1 J131
M280 M320 M414 M431 M510 M520 M531 M540 M782 M904
M905 M910 P431 R011 R023
Specific Compounds
00291K 00291T 00291M 07025K 07025T 07025M
Registry Numbers
0291U

Chemical Indexing M2 *21*

Fragmentation Code

H4 H401 H481 H8 J0 J013 J1 J173 M280 M313
M321 M332 M344 M349 M381 M391 M416 M431 M620 M782
M904 M905 M910 P431 R011 R023

Specific Compounds

00419K 00419T 00419M 07029K 07029T 07029M

Registry Numbers

0419U

Chemical Indexing M2 *22*

Fragmentation Code

H4 H401 H481 H8 J0 J011 J1 J171 M280 M312
M321 M331 M340 M342 M349 M381 M391 M423 M431 M620
M782 M904 M905 M910 P431 R011 R023

Specific Compounds

00009K 00009T 00009M 06285K 06285T 06285M

Registry Numbers

0009U

Chemical Indexing M2 *23*

Fragmentation Code

H4 H401 H481 H8 J0 J011 J1 J171 M280 M311
M321 M342 M349 M381 M391 M423 M431 M620 M782 M904
M905 M910 P431 R011 R023

Specific Compounds

00448K-00448T-00448M 09538K-09538T 09538M-----

Registry Numbers

0448U

Chemical Indexing M2 *24*

Fragmentation Code

F012 F013 F014 F015 F113 H4 H403 H421 H482 H8
J5 J522 K0 L8 L818 L821 L832 L9 L942 L960
M280 M312 M321 M332 M343 M373 M391 M413 M431 M510
M521 M530 M540 M782 M904 M905 M910 P431 R011 R023

Specific Compounds

00035K 00035T 00035M 04454K 04454T 04454M

Registry Numbers

0035U

Chemical Indexing M2 *25*

Fragmentation Code

G017 G100 H4 H403 H443 H8 J0 J011 J1 J131
M280 M320 M414 M431 M510 M520 M531 M540 M782 M904
M905 M910 P431 R011 R023

Specific Compounds

01170K 01170T 01170M 09472K 09472T 09472M

Registry Numbers

1170U

Chemical Indexing M2 *26*

Fragmentation Code

H4 H405 H484 H8 J0 J011 J1 J171 K0 L8
L814 L821 L832 M280 M315 M321 M332 M344 M349 M381
M391 M416 M431 M620 M782 M904 M905 M910 P431 R011
R023

Specific Compounds

01327K 01327T 01327M 06408K 06408T 06408M

Registry Numbers

1327U

Chemical Indexing M2 *27*

Fragmentation Code

F012 F013 F014 F015 F016 F123 G017 G019 G100 H4
H405 H444 H8 J0 J014 J2 J222 J232 K0 L8

L814 L821 L831 M1 M121 M123 M129 M136 M139 M280
M311 M321 M342 M373 M391 M413 M431 M510 M521 M533
M540 M782 M904 M905 P431 R011 R023
Specific Compounds
06321K 06321T 06321M 11956K 11956T 11956M

UNLINKED-DERWENT-REGISTRY-NUMBERS: 0009U; 0035U ; 0291U ; 0419U ; 0448U ; 1170U ;
1327U ; 1701U ; 1729U ; 1732U ; 1741U ; 1939U

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C2002-138995
